

Arx Wireless Infrastructure LLC 1061-1063 Boston Post Road Milford, CT

Site Search Summary

Section 16-50j-74(j) of the Regulations of Connecticut State Agencies requires the submission of a statement that describes "the narrowing process by which other possible sites were considered and eliminated." In accordance with this requirement, descriptions of the general site search process, the identification of the applicable search area and the alternative locations considered for development of the proposed telecommunications facility in Milford are provided below by the Applicant, Arx Wireless Infrastructure LLC ("ARX").

Site Search Process

As a tower infrastructure provider, ARX is in direct consultation with individual carriers and uses its overall knowledge and understanding of existing wireless carrier networks to identify geographical areas where wireless service is unreliable. ARX only pursues a site search for a new tower when it is clear that a new tower facility will be required and all other options have been evaluated and/or exhausted. When conducting a site search, ARX's radio frequency engineers, in consultation with the appropriate wireless carrier radio frequency engineers, identify search areas central to the necessary geographical coverage area. In this case, Verizon and AT&T identified a need for wireless coverage in this area of Milford, including Route 1 and the nearby I-95 corridor, and have agreed to support an application by ARX to construct a new facility in this location to provide the coverage required.

ARX is sensitive to State and local desires to minimize the construction of new towers, and it does not pursue development of a new facility where an acceptable existing structure can be found. In general, ARX's site acquisition personnel study the area in and near the search area to determine whether any suitable structure exists. If ARX cannot find a structure with appropriate height and structural capabilities, it turns to industrial and commercial areas or individual parcels that have appropriate environmental and land use characteristics. The list of potential locations is limited by the willingness of property owners to make their properties available for a telecommunications facility. Radio frequency engineers study potentially suitable and available locations to determine whether those locations will meet the technical requirements for a telecommunications facility. The list of possible alternative sites may be further narrowed by ARX's analysis of potential environmental effects and benefits. The weight given to relevant factors varies for each search, depending on the nature of the area and the availability of potential sites.

A site search ring is selected in an area where wireless service problems have been identified. In any search ring or search area, ARX seeks to avoid the unnecessary

proliferation of towers and to reduce the potential adverse environmental effects of the cell site, while at the same time maximizing the quality of service provided from a particular facility. These objectives are achieved by initially locating existing towers and other sufficiently tall structures within and near the site search area. If any are found, they are evaluated to determine whether they are capable of supporting a carrier's telecommunications antennas and related equipment at a location and elevation that satisfies its technical requirements.

The list of available locations may be further reduced if, after preliminary negotiations, the property owners withdraw a site from further consideration. From among the remaining locations, the proposed sites are selected by eliminating those that have greater potential for adverse environmental effects and fewer benefits to the public (i.e., those requiring taller towers; those with substantial adverse environmental impacts; or those with limited ability to share space with other public or private telecommunications service providers). It should be noted that in any given site search, the weight afforded to factors considered in the selection process will vary depending upon the availability and nature of sites within the search area.

Need for the Facility

The proposed 115 foot monopole at 1061-1063 Boston Post Road, Milford, Connecticut, will allow Verizon and AT&T to provide necessary in-building residential and in-vehicle coverage, if they are permitted to locate at the 112 and 100 foot levels respectively. Verizon and AT&T's locations at the 112 and 100 foot levels respectively will provide much needed coverage in the area within the proposed coverage footprint, and in particular critical cell coverage for the nearby I-95 highway corridor and Route 1 in Milford. With the development of the proposed Facility, residential customers would have reliable in-vehicle and in-building coverage for their voice and data needs as well as reliable coverage for E-911 services.

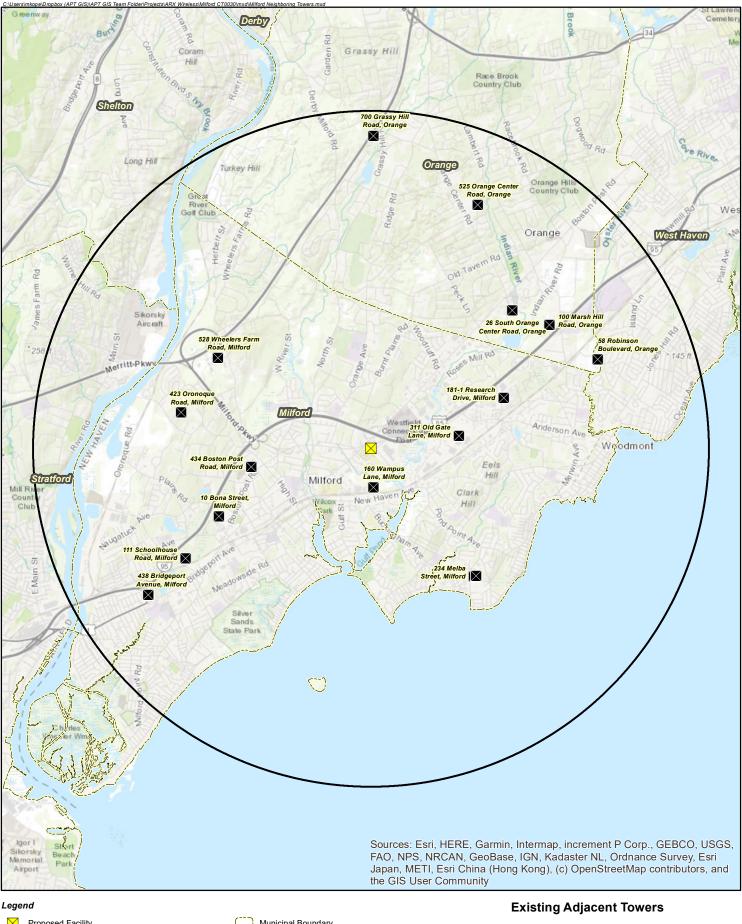
Filed with the Application are Power Density Calculations, propagation plots prepared by Verizon, and propagation plots prepared by AT&T that depict (1) coverage from existing and approved surrounding sites, and (2) coverage from the proposed Site in conjunction with existing and approved sites. (In its propagation plots, Verizon refers to the Site as "Forest Heights.") Together, these propagation plots demonstrate Verizon and AT&T's respective needs for a site in the area of the proposed Facility, and the effectiveness of the proposed Facility in meeting the need for wireless service in this area of Milford. Specifically, the proposed Site will provide a significant amount of cell coverage to I-95, Route 1, and the surrounding commercial and residential area.

Sites Investigated

ARX identified and investigated a total of nine (9) sites in Milford. A listing of the sites investigated is provided below.

- 1. 1061-1063 Boston Post Road, Milford, CT (the proposed site). ARX entered into a lease agreement with the owner of this property, Lee Partners, LLP, for the development of the Facility. The Property is an approximately 2.44 acre parcel of commercially developed land that is occupied by a restaurant and a tire store. There are no trees that will need to be removed and access is already existing. This site will meet the coverage needs of Verizon and AT&T in this area of Milford, including a significant amount of cell coverage to I-95, Route 1, and the surrounding commercial and residential area.
- 2. 1052 Boston Post Road, Milford CT (former Howard Johnson Hotel). Since 2004, Verizon and AT&T have had telecommunications equipment situated at 1052 Boston Post Road, Milford, on the rooftop of the site of a former Howard Johnson hotel. The Howard Johnson hotel has been out of business for over a year. The building on that property is planned to be demolished as part of a redevelopment project, and the new hotel building will not satisfy Verizon's service objective. In the last year, the carriers have worked with the owner of that site to explore alternative ways to accommodate their telecommunications equipment. Verizon has concluded that there will be no feasible alternative location on that property for the telecommunications equipment, and accordingly, the property at 1052 Boston Post Road has been deemed unusable. Once the proposed Facility is constructed, Verizon and AT&T intend to relocate to the Site of the proposed Facility at 1061-1063 Boston Post Road. Most recently, ARX reached out again to the owner to explore the Landlord's interest in developing a new tower at the property. On January 22, 2021, ARX wrote to the owner via certified mail, return receipt requested. The certified letter was delivered on January 29, 2021 at 12:29 p.m., and to date, ARX has received no response from the owner.
- 1212 Boston Post Road, Milford, CT. ARX explored the use of this parcel for the development of a new tower, but it was deemed unusable due to a lack of interest from the owner.
- 4. <u>230 Cherry Street, Milford, CT</u>. ARX explored the use of this parcel for the development of a new tower, but it was deemed unusable due to a lack of interest from the owner.
- 5. <u>1201 Boston Post Road, Milford, CT (Connecticut Post Mall)</u>. ARX explored the use of this parcel for the development of a new tower, but it was deemed unusable due to a lack of interest from the owner to develop a tower at the property. In addition, in response to the City's request that this location be reconsidered, Verizon evaluated the roof of the Post Mall and confirmed that it is too low and would not satisfy its service objectives in the area.
- 6. 1064 Boston Post Road, Milford, CT. ARX explored the use of this parcel for the development of a new tower, but it was deemed unusable due to a lack of interest from the owner.

- 7. <u>271 Cherry Street, Milford, CT</u>. ARX explored the use of this parcel for the development of a new tower. ARX participated in a meeting with the landowner's president and maintenance person on March 11, 2020. Following that meeting, the landowner advised ARX that it does not want to proceed with a lease.
- **8.** <u>10 Leighton Road, Milford, CT</u>. ARX explored the use of this parcel for the development of a new tower, but it was deemed unusable due to a lack of interest from the owner.
- 9. <u>354 North Street Milford, CT.</u> ARX explored the use of this parcel for the development of a new tower, but it was deemed unusable by AT&T as it was too close to another existing site.



Proposed Facility

Existing Towers Within 4 Miles of Proposed Facility (See attached table for detailed site information)

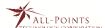
4-Mile Radius

Base Map Source: ESRI World Topographic Map Data Sources: CSC Tower Database, Updated March 2020; FCC ASR GIS Database, Updated 2012 Map Scale: 1 inch = 6,000 feet Map Date: March 2021





Proposed Wireless Telecommunications Facility CT0030/Milford 1063 Boston Post Road Milford, Connecticut

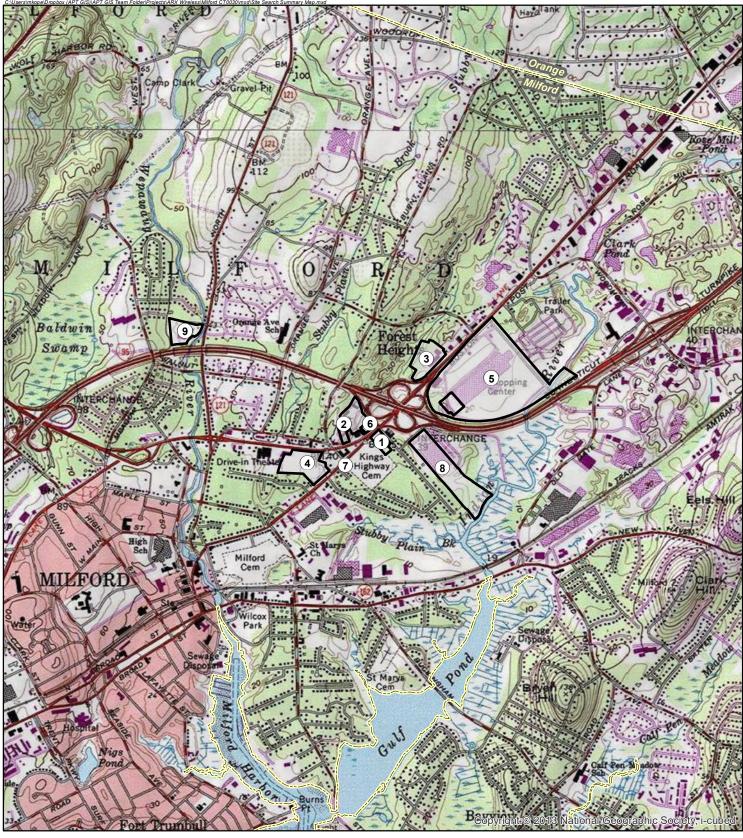


Existing Adjacent Towers within Four Miles

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Data Sources: CSC Tower Database, Updated March 2020; FCC ASR GIS Database, Updated 2012

Town	Address	Alternate Address	Latitude	Longitude	Owner	Туре	Tower Height (Feet AGL)	Ground Elevation (Feet AMSL)
Milford	10 Bona Street		41.2200888889	-73.0773888889	Crown Castle	monopole	133	n/a
Orange	100 Marsh Hill Road		41.2530555556	-73.0024111111	UI	self-support lattice	100	105
Milford	111 Schoolhouse Road		41.2128166667	-73.0849000000	Crown Castle	monopole	140	52
Milford	160 Wampus Lane		41.2251166667	-73.0423416667	Nextel	monopole	120	n/a
Milford	181-1 Research Drive	185/203 Research Drive	41.240555556	-73.0127777778	American Tower Corporation	monopole	188	96
Milford	234 Melba Street	(AT&T pole)	41.2100000000	-73.0188888889	Crown Castle	monopole	135	n/a
Orange	26 South Orange Center Road	617 South Orange Center Road, 617 South Orange Road, 617 South Center Orange Road	41.2555305556	-73.0108805556	Town of Orange	monopole	180	45
Milford	311 Old Gate Lane		41.2339805556	-73.0229583333	Global Signal	monopole	120	n/a
Milford	423 Oronoque Road		41.2378416667	-73.0861111111	Crown Atlantic Co. LLC	monopole	100	n/a
Milford	434 Boston Post Road		41.228555556	-73.0701388889	AT&T	self-support lattice	150	n/a
Milford	438 Bridgeport Avenue		41.2065611111	-73.0933722222	American Tower Corporation	monopole	100	75
Orange	525 Orange Center Road		41.2736111111	-73.0188055556	Orange, Town of	monopole	160	196
Milford	528 Wheelers Farm Road		41.247222222	-73.077777778	Sprint	monopole	120	n/a
Orange	58 Robinson Boulevard		41.2472194444	-72.9914138889	Verizon	monopole	62	19
Orange	700 Grassy Hill Road		41.2854638889	-73.0425583333	Crown Castle	monopole	140	85



Legend

Site Investigated
Municipal Boundary

Sites Investigated:

- 1 1061-1063 Boston Post Road, Milford, CT (Proposed Site)
- 2 1052 Boston Post Road, Milford CT
- 3 1212 Boston Post Road, Milford, CT
- 4 230 Cherry Street, Milford, CT
- 5 1201 Boston Post Road, Milford, CT
- 6 1064 Boston Post Road, Milford, CT
- 7) 271 Cherry Street, Milford, CT
- 8 10 Leighton Road, Milford, CT
- 9 354 North Street Milford, CT

Site Search Summary Map

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